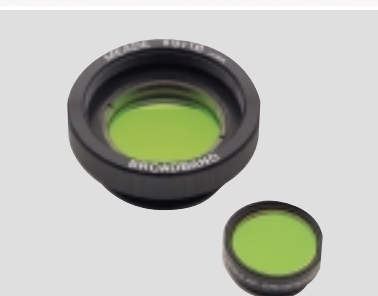
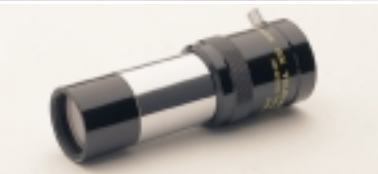


Accessories for Meade LX-Series Telescopes: 8" LX10; 8" LX90; 7", 8", 10", 12", 14", and 16" LX200GPS

See also pp. 94 - 107.



Series 4000 Eyepieces: Serious telescope users generally own about 4 to 6 eyepieces, for higher and lower magnifications, and for wide-angle observing as well. Meade Series 4000's are the finest eyepieces obtainable for astronomical telescopes and are available in 18 focal lengths and in 3 design formats to suit any observing requirement. Eyepieces of 2" barrel diameter require the #929 2" Diagonal Mirror (*facing page*); the #929 is standard equipment on Meade 12", 14", and 16" LX200GPS models. (See also p. 94.)

Series 4000 8mm - 24mm Zoom Eyepiece: High-resolution, 7-element multi-coated optics with 55° field at 8mm. Graduated scale in 1mm units indicates exact focal length in use. An excellent complement to all Meade LX-Series telescope models. (See also p. 96.)

#140 Series 4000 2x Apochromatic Barlow Lens: Now widely copied, the Meade #140 2x Barlow was the first 3-element apochromatic (color-free) and air-spaced Barlow lens to be made commercially available. The #140 doubles each eyepiece power while maintaining uncompromised image resolution, color correction, and contrast. Multi-coated. 1.25" O.D. (See also p. 96.)

Series 4000 Photo-Visual Color Filters: Color filters significantly enhance visual and photographic image contrast of the Moon and planets. Each filter threads into the barrel of any Meade 1.25" eyepiece, and into the barrels of virtually all other eyepiece brands as well. Meade filters are available in 12 colors for lunar and planetary applications, and in Neutral Density as a lunar glare-reduction filter. (See also p. 98.)

Series 4000 Nebular Filters: A modern boon to the city-dwelling deep-space observer, the interference nebular filter effectively cancels out the effects of most urban light pollution, while leaving the light of deep-space nebular emissions virtually unattenuated. (See pp. 100 - 101 for full details.)

#905 Variable Polarizer; #1A Skylight Filter: The #905 system includes 2 Polarizer filters mounted in a specially-machined cell, for glare-reduction in observing the Moon. Rotate the thumbscrew at the side of the unit to achieve light transmission between 5% and 25% of its original value. The #905 inserts into the diagonal prism of the telescope, followed by an eyepiece. The #1A Skylight Filter threads onto the rear cells of all Meade LX-Series telescopes and effectively seals the interior of the telescope from dust. All other rear cell accessories may then be threaded to the #1A filter. The filter increases visual and photographic contrast, decreases glare, and helps to penetrate haze.

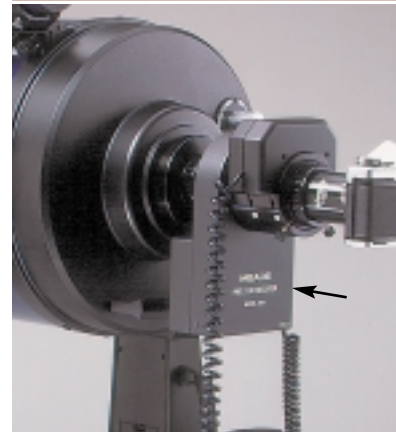
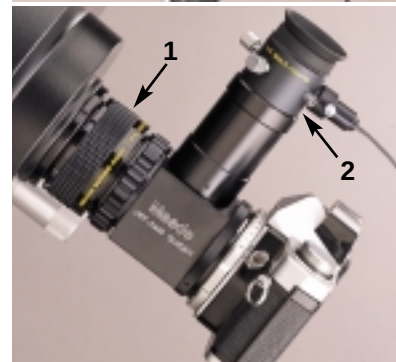
#62 T-Adapter: The T-Adapter is the basic means of prime-focus photography through all Meade LX-Series models. Thread the T-Adapter on to the rear cell of the telescope, followed by a T-Mount for your 35mm camera, and the camera body is thereby rigidly coupled to the telescope.

#777 Off-Axis Guider: The #777 Off-Axis Guider provides a means, during long-exposure astrophotography, for the photographer to monitor the tracking of the telescope, to assure that the telescope remains precisely positioned on the object being photographed. Like the T-Adapter, the Guider couples the camera body to the telescope but it also causes a small amount of the guidestar's incoming light to be diverted at a right angle, where the star's position can be examined for tracking errors with an illuminated reticle eyepiece; position corrections can then be effected using the telescope's hand controller or drive corrector. (See also p. 103.)

Series 4000 f/6.3 Focal Reducer/ Field Flatteners; Illuminated Reticle Eyepiece: Threaded on to the telescope's rear cell in front of the #62 T-Adapter or Off-Axis Guider, above, and the camera body, the f/6.3 Focal Reducer/Field Flatteners ① reduces the main telescope's focal ratio by a factor of 0.63 (e.g., from f/10 to f/6.3), thereby reducing photographic exposure times by about 50%. The Illuminated Reticle Eyepiece ②, with its crossline reticle pattern red-illuminated for easy night visibility, permits the observer to confirm the telescope's tracking accuracy during an extended exposure. (See also pp. 104, 106.)

Variable Tele-Extender: For eyepiece-projection photography of the Moon and planets through any Meade LX-Series telescope, a Tele-Extender is required. The Variable Tele-Extender threads onto the telescope's eyepiece-holder, into which is inserted an eyepiece of typically about 26mm focal length; the 35mm camera body couples to the Tele-Extender by means of a T-Mount. The Meade Variable Tele-Extender permits a range of projection magnifications. (See also p. 103.)

Field De-rotators: Available for all Meade LX200 and LX200GPS models, Meade Field De-rotators permit long-exposure photo or CCD imaging in the altazimuth mode. See pp. 24 and 49 for details.





Series 4000 f/3.3 CCD Focal Reducer/Field Flatteners: Permits ultrafast CCD imaging; reduces CCD exposure times by up to 80%. Threads on to the rear cell of all Meade LX-Series mirror-lens telescopes. Converts f/10 Schmidt-Cassegrains to f/3.3. (See p. 104 for additional details.)



CCD Photo-Visual Flip-Mirror Systems: An important accessory for CCD imaging or for 35mm astrophotography with any Meade LX-Series telescope. Flip mirror "down" to center the image while viewing with an eyepiece at 90°; flip mirror "up" to pass light on to the CCD chip or 35mm camera film plane. (See p. 105 for additional details.)



Electric Focusers: Meade electric focusers are uniquely designed to yield smooth, precise microfocusing of the image, without disabling the manual focus knob, which may be used for rapid coarse focusing. Two focuser models are available: **#1205**—Includes push-button hand controller with self-contained (user provided) battery for Meade LX10 or LX90 models; **#1206**—Plugs directly into the control panels of Meade LX200 models, or into the #909 Accessory Port Module of the LX90 (p. 31), with actuation from the hand controllers of these telescopes. (Not for use with LX200GPS models.)



#1209 Zero Image-Shift Microfocuser: As included with all LX200GPS telescopes, but provided with a separate handbox for use with all other Meade (non-LX200GPS) SCT models (e.g., LX10, LX90, or LX200), or for Schmidt-Cassegrains of other brands. Operates at four speeds; accepts both 2" and 1.25" eyepiece barrels. (See also p. 102.)

USB to RS-232 Bridge Cable: Permits connection of any Meade telescope's RS-232 serial interface to a PC's USB port. The sequence of connection is: telescope/RS-232 port + #505 (for LX90) or #507 (for LX200GPS) Connector Cable + USB Bridge Cable + PC. Driver software is included on a CD-ROM; this driver software creates a virtual serial port within the PC. The driver software is compatible with Windows 98, ME, 2000, and XP.



Power Cords: For field use of LX10, LX90, or LX200GPS telescopes up to 14" aperture from 12v DC automobile cigarette lighter plugs, use the **#607 Power Cord**. The 16" LX200GPS telescope operates from 18v DC and requires the **#1812A Electronic DC Adapter**. For operation of LX10 and LX90 models from home 115v AC outlets use the **#541 AC Adapter**; 7" to 14" LX200GPS models require the **#547 AC Adapter**. All power cords and adapters include 25 ft. cords.



Dew Shields: In moist climates water particles suspended in the atmosphere may condense on the front surface of the telescope's correcting plate. This dew formation may be inhibited to a significant extent by the addition of a Dew Shield, essentially an extension tube attaching to the front-cell of the telescope. **#608**—for Meade 7" Maksutov and 8" SCT models; **#610**—for all

Meade 10" SCT models; **#612**—for 12" LX200GPS; **#614**—for 14" LX200GPS; **#620**—for 16" LX200GPS.

Tube Balance Weight Systems permit the balancing of heavy or long-lever-arm accessories attached to the eyepiece-end of the telescope. Each weight assembly attaches to factory-threaded holes provided on the underside of every Meade 8", 10", 12", 14", or 16" SCT or 7" Maksutov. Three differing weights are supplied with each unit, permitting considerable variation in the total weight available for balancing.

#1401—for all Meade 8" SCT models; **#1402**—for all Meade 10" SCT models; **#1403**—for 12" LX200 or LX200GPS; **#1405**—for 14" LX200GPS; **#1404**—for 16" LX200 or LX200GPS; **#1407**—for 7" LX200 or LX200GPS.

#929 2" Diagonal Mirror; #928 45° Erect-Image Diagonal Prism: The #929 2" Diagonal Mirror (provided as standard equipment on 12", 14", and 16" LX200GPS's, available optionally on other models) attaches to the rear cell of all Meade LX-Series telescopes and permits the use of wide-field 2" O.D. eyepieces (e.g., Meade Series 4000 Super Wide 32mm and 40mm eyepieces and others, p. 94). Each diagonal includes a Meade optical-flat mirror of Pyrex glass, UHTC-coated (p. 26) for maximum reflectivity. Diagonal mirrors and prisms result in images that are correctly oriented up-and-down but reversed left-for-right. For terrestrial observing a fully correctly oriented telescopic image is desirable; the #928 Diagonal Prism accomplishes this image correction and places the eyepiece at a convenient 45° viewing angle. Use the #928 with the 1.25" Eyepiece-Holder.

#895 Vibration Isolation Pads: Highly desirable in sensitive imaging applications, Meade isolation pads reduce typical telescope-tripod vibration damping times to less than one second. Place one pad under each tripod leg. Supplied as a set of three pads.

Piggyback Brackets: Piggyback photography is one of the most popular, and easiest, ways to get started in astrophotography. Simply by attaching your 35mm camera, with its own 35mm-to-250mm lens, atop any Meade LX10, LX90, or LX200GPS in the equatorial mode, and guiding the camera through the main telescope, wide-field photos of the Milky Way of remarkable detail and clarity can be taken. Piggyback Brackets are available for Meade 7", 8", 10", 12", 14", and 16" LX-Series telescopes; when ordering, specify the telescope aperture.

Carrying Cases are available for 7", 8", 10", or 12" LX200GPS telescope models. Each case accepts the optical tube assembly and fork mount of the telescope and is designed to use the molded foam-rubber in which the telescope is originally shipped. All carrying cases are of a heavy-duty Cordura-type material that permits secure storage and field transport of the telescope. Specify telescope model when ordering.

